

WATER QUALITY INDEX					Q-value X Weight Factor		
Test	Test Results		Q-Value		Weighting Factor	Total	
Dissolved Oxygen (% saturation)	88	76	93	82	0.17		
	88	93	93	97			
pH	7.68	7.46	91		0.11		
	7.60	8.42					
Temperature Change (°C)	3.58	3.78			0.1		
	1.28	1.00					
Fecal Coliform colonies/100mL	160	185			0.16		
	280	120					
BOD (mg/L)	0.1	2.5			0.11		
	6.4	0.3					
Nitrate (mg/L)	0.02	0.02			0.1		
	0.03	0.03					
Phosphate (mg/L)	0.17	1.11			0.1		
	1.29	2.08					
Total Dissolved Solids (mg/L)	5.29	6.85			0.07		
	5.23	2.72					
Total Suspended Solids (feet, or NTU's)	3ft	3ft			0.08		
	3ft	1.6ft					
					WQI*		
	Key	North	West				
		Confluence	Barker Lake				

*Add totals for each site to get WQI.